DIV IMPEX S.R.L.

PELLET STOVE

DA VINCI

USER MANUAL

AND TECHNICAL PASSPORT

PELLET STOVE „Da Vinci”
DV 140 W1
DV 220 W1
DV 180 W1

USER MANUAL
AND TECHNICAL PASSPORT

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Dear Customers,

We thank you for having chosen one of our products, the fruit of technological experience and of continual research for a superior quality product in terms of safety, dependability, and service.

In this manual you will find all the information and useful suggestions to use your product with the maximum safety and efficiency.

Incorrect installation, incorrectly performed maintenance, improper use of the product release the manufacturer from every eventual damage derived from the use of the stove.

This manual has been realized by the manufacturer and constitutes an integral part of the product and must remain with it during its entire lifetime. If the product is sold or transferred, be sure that the booklet is present since the information contained in it is addressed to the buyer, and to all those persons of various titles who complete the installation, do the maintenance.

Carefully read the instructions and the technical information contained in this manual, before proceeding with the installation, use, and any operation on the product.

The observance of the indications contained in the present manual guarantees the safety of people and the product, the economy of use and a longer functioning lifetime.

Although the carefully studied design and the risk analysis done by our company have permitted the realization of a safe product, in any case, before effecting any operation on the stove, it is recommended to keep said manual available and pay scrupulous attention to the instructions written therein.

Check the precise flatness of the pavement where the product will be installed.

The wall where the product will be placed must not be constructed in wood, or in any case, made of an inflammable material, and in addition it is necessary to maintain a safety distance.

While the stove is in operation, several parts of the stove (door, handle, sides) can reach high temperature. Therefore pay attention and use the proper precautions, above all in the presence of children, elderly or disabled persons, and animals.

Assembly must be performed by authorized persons (Authorized Assistance Centre).

Diagrams and drawings are furnished for the purpose of illustration; the manufacturer, with the intent of pursuing a policy of constant development and renewal of the product can, without any notice, make any modifications that are believed opportune.

Installation is not recommended in a bedroom.

WARNING!

Never cover the body of the stove in any way or obstruct the openings placed on the upper side when the device is operating.

ATTENTION!

In all our stoves an automatic system can be installed.

ATTENTION!

The stove must only be fed with quality 6mm diameter pellets of the type recommended by the manufacturer;

Before making the electrical connection of the stove the discharge tubes must be connected with the flue;

The environment where the stove is installed must have a sufficient exchange of air.

Never open the door of the stove while it is operating;

When the stove is operating, the surfaces, glass, handle and tubes become very hot: during operation do not touch these parts without adequate protection.

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Keep/store the pellets in a cool dry place.

The pellet stove must only be operated in living environments. This stove, being controlled by an electronic board, permits a completely automatic and controlled combustion; the digital can in fact, regulates the lighting phase,5 power levels and the shut down stage, guaranteeing the safe operation of the stove.

The basket used for combustion allows most of the ash produced by the combustion of the pellets to fall into the collection compartment. Nevertheless, check the basket daily, given that not all pellets have high quality standards (use only quality pellets recommended by the manufacturer.)

The glass is equipped with a special circulation of air for self-cleaning, but still, it is possible, after several hours of operation, to keep a light grey patina from forming on the glass. This also depends on the type of pellets used. Some pellets deposit more ash than others.

RESPONSIBILITY

With the delivery of the present manual, we decline all responsibility, both civil and penal, for accidents deriving from the partial or total lack of observance of the instructions contained herein.

We decline every responsibility derived from improper use of the stove, from incorrect use by the user, from unauthorized modifications and/or repairs, from the use of replacements parts that are not original for this model.

The manufacturer declines every civil or penal, direct or indirect responsibility due to :

Lack of maintenance

Failure to observe the instructions contained in the manual.

Use in non-conformity with the safety directives.

Installation in non - conformity with the norms in force in the country.

Installation by unqualified or untrained personnel.

Modifications and repairs not authorized by the manufacturer.

Use of non - original replacements parts.

Exceptional events.

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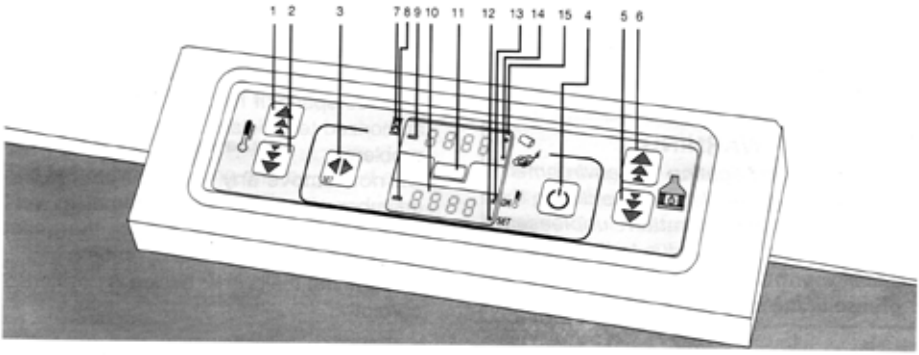
IMPORTANT INDICATIONS



Function keys

1. Raising the temperature 1

This key allows the temperature to be raised from minimum of 7 C to a maximum value of 40 C.

2. Lowering the temperature 2

This key allows the temperature to be lowered from a maximum of 40 C to a minimum value of 7 C.

3. Setting key 3

Press this key to access the programming menu of the stove.

4. ON/OFF 4

Press this key 4 For 2 seconds: the stove lights up or shuts down.

5. Power decreasing 5

This key permits lowering the power value from a maximum value of 5 to a minimum value of 1.

6. Power increasing 6

This key permits raising the power value from a minimum value of 1 to a maximum value of 5.

Display indications.

7. Timed thermostat led

Indicates that the weekly and/or daily programming is activated.

8. Stove operating led

This is lit when the stove is operating.

9-10.Upper/lower display

The various operation modes of the stove are visualized on the display as well as the temperature and the working power set by the user. If the stove should malfunction the display will read the relative error messages (see “Particular cases” paragraph).

11. Remote control receiver

Sensor that receives commands from the remote control .

12. Set led “SET”

This led flashes when setting the desired temperature value.

13. Led temperature ….

This led lights when the programmed temperature is reached. The display will read “ECO”.

14. Remote control reception led ….

This led flashes when the remote control is used to change the temperature and/or power settings

15. Pellet led ….

This led flashes every time the pellet loading inside the stove takes place.

REMOTE CONTROL DESCRIPTION

The remote control permits controlling the following functions:

1. Raising the temperature:

Pressing the button increases the temperature from a minimum value of 7 C to a maximum value of 40 C .

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2. Lowering the temperature:

Pressing the button decreases the temperature from a maximum value of 40 C to a minimum value of 7 C .

3. Increasing power

Pressing the button increases the power from a minimum value of 1 to a maximum value of 5.

4. Decreasing power

Pressing the button decreases the power from a maximum value of 5 to a minimum value of 1.

5. Lighting and shut down :

Pressing the keys simultaneously lights or shuts down the stove.

FIRST LIGHTING OF THE STOVE.

WARNING!

During the first lighting the environment should be well ventilated since during the first hours of operation unpleasant odors could develop due to the physical stabilizing of the paint and from the grease in the packing.

Suggestions

Do not continuously turn the stove on and off as this could provoke sparks that could shorten the life of the electrical components.

Do not touch the stove with wet hands : the stove has electrical components that could produce sparks if handled incorrectly, Only authorized technicians can resolve possible problems.

Do not remove any screws from the fire chamber without first lubricating them well.

Never open the glass door of the pellet stove while the stove is in operation.

Be sure that the brazier basket is positioned correctly.

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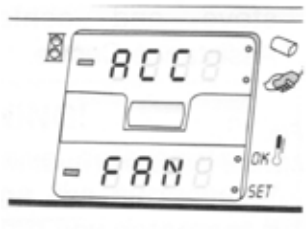
FIRST LIGHTING OF THE STOVE

Lighting the stove

Fill the container ¾ full with the pellets recommended by the manufacturer.

The upper display will read " OFF" and the lower display will show the current time.

Press the button 4 for 2 seconds. After a few moments the smoke extractor and the lighting resistor will start and the display will read "ACC FAN".



After 1 minute the display will read "LOAD WOOD", the stove will load the pellets and continue lighting the resistor.

Once the appropriate temperature has been reached the display will read “ Fire ON ” : this means that the stove has begun the last phase in lighting at the end of which the stove will be completely operational.

After several minutes of ventilation the upper display will read “ON 1-2-3-4-5” according to the power that has been programmed while the lower display will show the environmental temperature.

Once the programmed temperature is reached the upper display will read : “ECO” while the lower display will show the temperature revealed in the environment.

The temperature led lights when the programmed temperature is reached.

WARNING!

Before lighting a small amount of smoke may fill the combustion chamber.

SHUTTING DOWN THE STOVE.

To shut down the stove press the button 4 until the display reads “ OFF ” . Even after the stove is shut down the smoke extractor will continue to operate for a predetermined length of time to guarantee a rapid expulsion of the smoke from the combustion chamber.

Modifying the power

The power setting can be varied while the stove is in operation between a minimum value of 1 and a maximum value of 5.By pressing the Button 6 it is possible to increase the value while pressing the button 5 it is possible to decrease said value. The display indicates the power value .

Modifying the temperature

The temperature setting can be varied at any time by the user. To modify the temperature first press button 3 then press 1 or 2 and select the desired value

said value will be shown on the lower display.

ATTENTION!

The stove will function during the hours of ON programming at the same temperature and the power settings as when it was last shut down.

DISPLAY INFORMATION

"OFF" – "OFF": the stove is off or it is in a shutting down phase. Es the current time is 2:30 pm.

"ACC-FAN" – The stove is in the phase of preheating the resistor preceding lighting.

"LOAD WOOD" – Indicates that the stove is loading the pellets.

"FIRE ON" – The stove is in the flame stabilization phase (flame present).

"ON 1" – The stove is in the operational phase at minimum power. The environmental temperature revealed is 22 C.

"ECO" – The stove has reached the temperature set by the user and is in the energy saving phase. In this phase it is not possible to modify the power setting.

"PUL FIRE" – The stove is in a self-cleaning of the basket phase; the smoke extractor runs at the maximum speed and the pellet loader at minimum (parameter cannot be modified).

PARTICULAR CASES

If a lower temperature than that revealed by the environmental probe is set before lighting the stove the display will read "ON T". In this case to light the stove set a temperature at least 4 C higher than that read on the display. If the display still reads " ON T" contact the Authorized Assistance Center. By pressing the key 4 the stove will restart with the parameters previously programmed.

Whenever the current fails (even for a few seconds) the stove shuts down and as provided for by the safety normative in force the stove will not automatically re-ignite. In this case the display will read “FIRE COOL”. By pressing the button 4 the stove will restart will the previously set parameters.

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“NO ACC” : Lighting anomaly. This happens when the approximately 15-minute lighting period has passed and the smoke temperature is still insufficient. It could be that there was too scarce an influx of pellets for lighting.

CLEANING AND MAINTENANCE

Before effecting any maintenance operation or cleaning on the stove take the following precautions:

Be sure that all parts of the stove are cold.

Be sure that the ashes are completely cold.

Be sure that the general switch is in the “OFF” position.

Be sure that the plug is pulled out of the socket to avoid accidental contact .

Once the maintenance phase is completed check that everything is in order as per before the intervention (the brazier is placed correctly).

WARNING!

Follow carefully the following cleaning instructions. Failure to follow these instructions could create problems with the operation of the stove.

Cleaning the surfaces

To clean the surfaces use a rag dampened with water or with water and a neutral detergent.

WARNING!

The use of aggressive detergents or thinners can damage the surfaces of the stove. Before using any detergent it is advisable to try it on a small section out of sight or contact the Authorized Assistance Center for information regarding the product.

Cleaning the metal parts

To clean the metal parts of the stove use a soft cloth dampened with water.

Never clear the metal parts with alcohol, thinners, petrol, acetone or other degreasing substances.

If such substances are used our company declines any responsibility.

Eventual variations in the color of the metal parts can be caused by an incorrect use of the stove.

Cleaning the brazier and brazier support

When the flame assumes a red color or seems weak and is accompanied by black smoke this means that there are ash deposits or incrustations that do not permit the correct functioning of the stove and that must be removed.

Remove the brazier every day by simply raising it from its slot; then clean out the ashes and eventual incrustations that may have formed paying particular attention to liberating the holes by using a pointed tool (not included with the stove).

This operation is made particularly necessary before every lighting the first several times and above all if using pellets that differ from those supplied by our company.

The frequency of this operation is determined by how frequently the stove is used and the choice of pellets.

It is also a good idea to check the brazier support vacuuming the eventual ash present.

Daily cleaning

Ash box

Open the door and extract the ash box. Use a vacuum to remove all the ash deposited within.

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This operation must be performed more or less frequently depending on the quality of the pellets used.

Cleaning the glass

The glass is a self cleaning type therefore while the stove is working a veil of air is blown across its surface to remove ash and dirt; nevertheless over a period of several hours a grayish patina tends to form which should be cleaned when the stove is next shut down. How dirty the glass becomes also depends on the quality and quantity of pellets used.

Cleaning the glass should be done when the stove is cold .When performing this operation always check that the grey seal around the glass is in a good state; failure to check the efficiency of this gasket can compromise the function of the stove. Poor quality pellets can in any case cause the glass to become dirty.

WARNING!

If the glass is broken do not attempt to light the stove.

Cleaning the clearing system

Until reasonable experience is acquired regarding the operating conditions it is advisable to perform this maintenance on at least a monthly basis.

Carefully clean the smoke discharge system : for this contact a professional chimney sweep.

Once a year clean the dust cobwebs, etc. from the zone behind the internal covering panels paying particular attention to the fans.

Cleaning the fans

The stove furnished with fans (environmental and smoke) positioned at the rear and below the stove.

Eventual deposits of dust or ash on the blades of the fan can cause an imbalance in the fans leading to noisy performance.

It is therefore necessary to clean the fans at least once a year.

Since said operation requires dismantling several parts of the stove have the fans cleaned only by our Technical Assistance Centre.

Season end cleaning

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At the end of the season when the stove will not be used for some time . It is advisable to perform a thorough and general cleaning:

Remove all the pellets from the container and the screw feeder.

Carefully clean the brazier the brazier support the combustion chamber and the ash box.

Once the preceding points have been observed it only means that the state of the stove has been verified. It is necessary to thoroughly clean the smoke discharge tube or flue and check the condition of the basket. If necessary, order a new one from our Authorized Assistance Center. Also check the ceramic fiber cord near the glass on the internal wall of the door; if it is worn or too dry, order a new one from the Authorized Assistance Centre.

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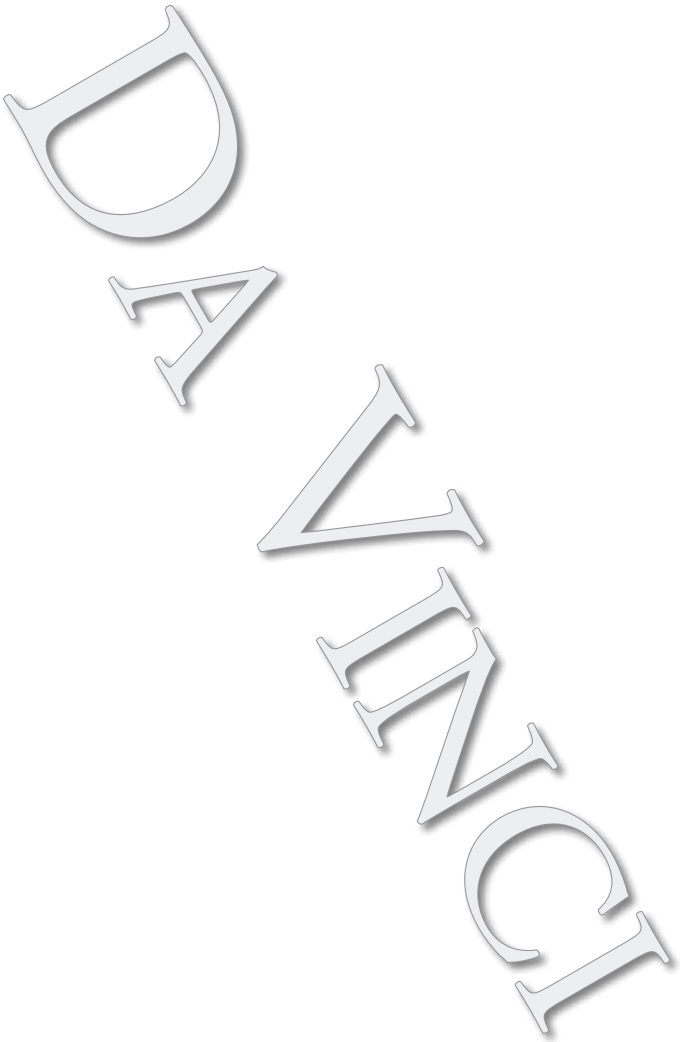
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